

1. What is a metadata?
2. What do you understand by program data independence?
3. What is Online Transaction Processing (OLTP)?
4. Who are Database Administrators, Database Designers and End Users?
5. You are to build a set of database tables for a video shop. There could be customers making reservation on certain title and the owner need to check the number of copies and to rent it out.
6. Define the following:
 - a. Tuple
 - b. Cardinality
 - c. Relational Database
 - d. Schema
7. What are the types of integrity constraints that can be applied to the database. What is the use of it? Explain in detail.
8. The three schema architecture is used to separate the user applications and the physical database. Explain each level. The three important levels are:
 - a. Internal level or Internal Schema
 - b. Conceptual level or Conceptual Schema
 - c. External or View Level

9. What is the difference between logical data independence and physical data independence?

10. What is the use of Open Database Connectivity (ODBC) in a client server architecture?

11. Discuss some types of database utilities and tools and their functions?

12. Why redundancy has to be controlled?